

# EUROPEAN PATENT OFFICE

## Patent Abstracts of Japan

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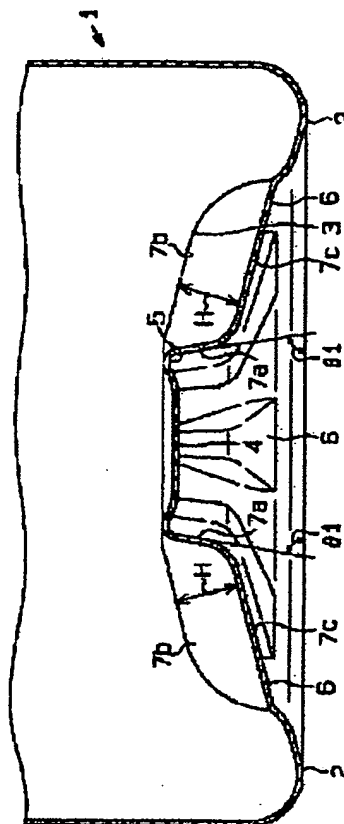
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APPLICANT : MITSUBISHI PLASTICS IND LTD;

INVENTOR : TAKEDA AKIRA;

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TITLE : PLASTIC BOTTLE



**ABSTRACT :** PROBLEM TO BE SOLVED: To suppress heat distortion at the time of heating without providing a complex form on a bottom.

**SOLUTION:** A recess 3 which protrudes inside the plastic bottle 1 is formed on a bottom of the bottle 1, wherein hollow ribs 6 radially extending from the center of the recess 3 toward its periphery are formed to project outside the plastic bottle. The hollow rib 6 comprises a tip wall 7a standing steeply from a periphery of the center of the recess 3, both side walls 7b extending from both ends of the tip wall 7a toward the periphery of the recess 3 and a lower wall 7c connected with both side walls 7b and the tip wall 7a. The lower wall 7c is formed to extend approximately linearly to the periphery of the recess 3, and a half or more of portions surrounded by the side walls 7b of the hollow ribs 6 adjacent to the recess 3 are formed to be positioned on a plane in parallel with the lower wall 7c.

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